County of St. Paul No.19
Lake Planning Framework

County of St. Paul #19
Lake Planning Framework

prepared by
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1.0 Introduction

1.1 Background Information

In 1973 the Province of Alberta established the Alberta Land Use Forum to consider various aspects of land use in Alberta. Technical background reports were prepared for various topic areas, including lakes. The major finding of the Forum's *Technical Report No. 12 – Use of Our Lakes and Lake Shorelands (1974)* was "that the real supply of lakes and lake shorelands has to be assessed and that priority decisions will have to be made as to the need for particular uses." (pp.I-1, I-2)

The Provincial Planning Branch and the Regional Planning Commissions responded to this finding by developing lake inventories and classification systems for their respective jurisdictions. The Planning Branch completed a *Regional Lake Classification (for) The Lakeland Region* in 1978. This was an initial classification of the region's lakes based on the Canada Land Inventory's assessment of natural resource potential. However, it was recognized that a planning framework for the Lakeland Region should take into consideration additional factors such as existing land use, access, lake size and location.

A lake planning framework for most of the Lakeland Region was initiated by the Provincial Planning Branch in 1980. The boundaries of the region studied are shown on *Map 1 – Regional Context*. The region was broken down into its five component rural municipalities. Individual lake planning frameworks have been prepared for each municipality.

It is intended that this report be used in combination with information and policies available from other government and private agencies. The Lake Planning Framework addresses one aspect of lakes: their apparent recreation potential based on resource capability and existing use. Various government departments have concerned themselves with other facets of lake use and management such as water management (Alberta Environment: Cold Lake-Beaver River Water Management Study), resource development on Crown lands (Alberta Energy and Natural Resources: Lakeland Integrated Resource Plan), provincial recreation facilities (Alberta Recreation and Parks), and tourism potential (Alberta Tourism and Small Business). Municipalities and others intending to use this report should also therefore refer to the aforementioned agencies for additional information for planning or similar purposes.

1.2 Purpose and Objectives

The primary purpose of this project is to provide data and information to municipal and provincial agencies which may be used in determining the appropriate use and management of the lakes within the region. This is in response to the steady increase of lake-oriented recreation development over the last twenty years, and the growing awareness that the lake resources of the region should be well managed.

Specific objectives of the project are as follows:

1) Development of a data base for individual lakes and their shorelands in the region
2) Designation[1] of lakes based on data collected
3) Investigation into methods of application

The first objective, that of data collection, has for the most part been achieved. The Planning Branch now has a substantial amount of information on the region's lakes. Based upon this information the second and third objectives have been addressed, as outlined in the remainder of this report.

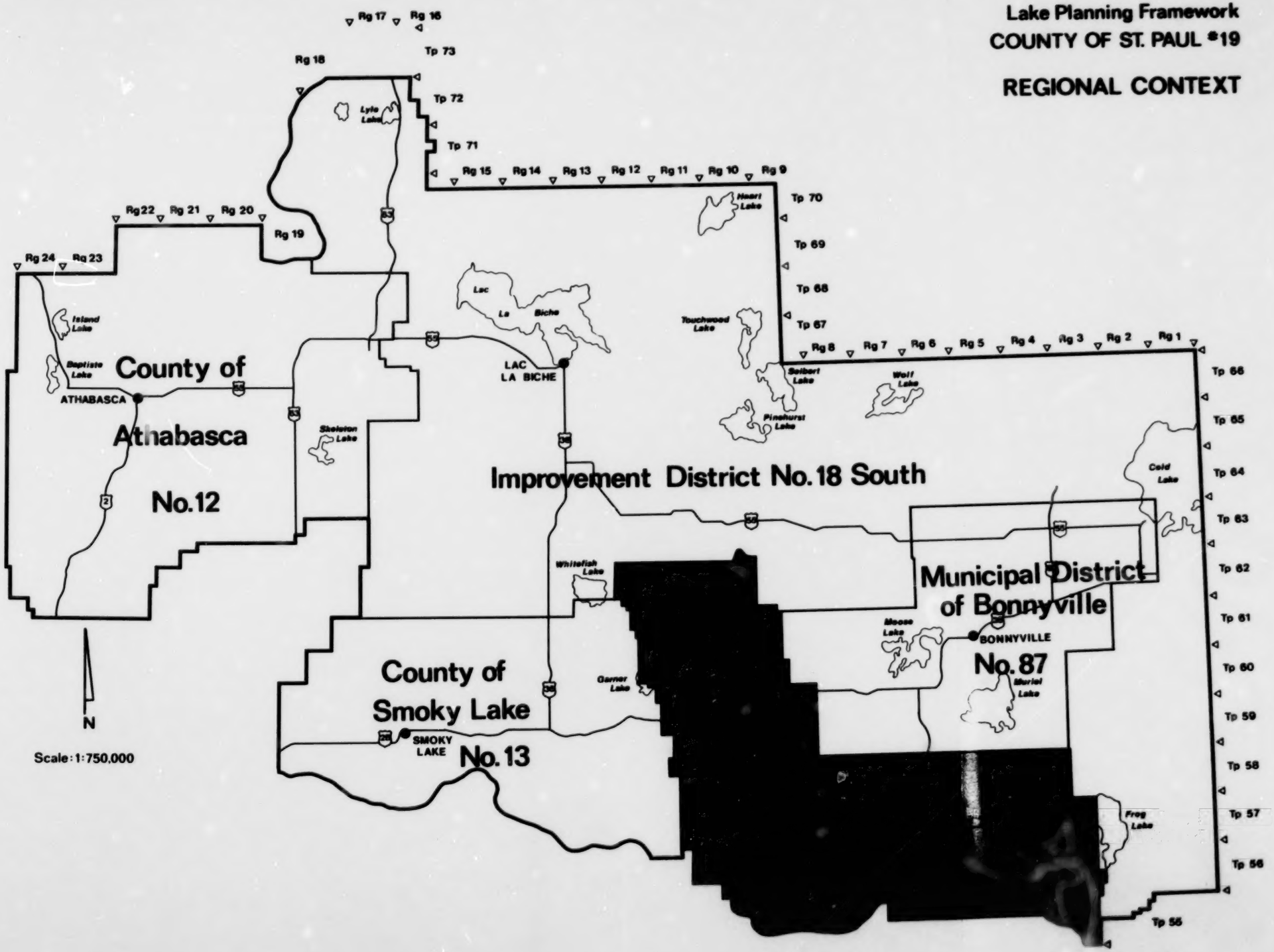
NOTE 1. The term "designation" in this report in no way implies a legal designation such as might be found in a land use bylaw or statutory plan. It simply indicates an option for the use and management of a lake, based on the information which has been compiled.

Map 1

Lake Planning Framework

COUNTY OF ST. PAUL #19

REGIONAL CONTEXT



2.0 Classification System

2.1 Overview

All lakes in the region over 32 ha in size have been assigned one of three possible designations: recreation, conservation or preservation. The designations indicate the type of use or uses for which the lakes appear to be most suited. They do not preclude other types of uses which have not been addressed, such as municipal or industrial. These other uses may, in many cases, co-exist.

The following sections define each of these designations and explain the rational used in assigning them. It should be noted that Council has reviewed the designations for lakes within its jurisdiction. Its familiarity with local lakes has aided in assessing the resource potential of the various lakes.

2.2 Recreation Lakes

Definition

Recreation lakes include two types of lakes: lakes which have potential for intensive recreational use; and lakes which are already used for intensive recreation. It is important to note the difference between these two categories; while all of the lakes in the first category appear to have potential for future intensive recreation use, some of the lakes in the second category have already been extensively developed and have little or no remaining potential.

The definition of a recreation lake reflects the two-fold nature of this group of lakes:

A recreation lake is a lake which is presently used, or has the potential to be used, for intensive recreational activities such as camping, swimming or country residences (e.g. cottages).

The designation of a lake as recreational does not mean that the entire lake shoreline can, or should be developed and used for intensive recreation. Many lakes are only suited to this type of use in specific areas, and may in fact have other areas which should be preserved in a natural state, or used at only a low scale, extensive level.

Methodology for Designation

The first step taken in designating recreation lakes was to examine the capability of the lakes' natural resources to support intensive recreation and sport fishing. This information is available in the Canada Land Inventory, which classifies units of land or water on a scale of one (highest capability) to seven (lowest capability). Lakes which were considered to have possible recreation potential were those with Class 1 to 4 recreation shoreline, or Class 1 to 2 sport fishing capability.

Some additional lakes were added to this category based on discussions with Council. It should also be noted that any lake which appeared to have a high capability for both wildlife and recreation was included in the recreation category at this stage.

Additional information was collected for all of the lakes identified as possible recreation lakes. A profile, summarizing the information gathered, was developed for each of these lakes. The lake profiles for the County of St. Paul appear in Appendix B.

In addition to summarizing available information for the lakes, each lake profile contains reference to any policies affecting the lake, an assessment of the overall recreation potential of each lake and a recommended designation. The major factors considered (when such information was available) in arriving at these recommendations were:

i) quantity and quality of recreational shoreline
ii) soil capability for recreational use, especially in areas of high capability recreational shoreline
iii) suitability of slope to recreation uses
iv) type, level, and location of existing recreation development
v) water quality

2.3 Conservation Lakes

Definition

A conservation lake is a lake which has limited recreational potential and little wildlife significance. Some limited, low intensity recreation activity such as hiking trails or backshore country residences may be possible in some instances.

Methodology for Designation

All lakes which do not have significant potential for intensive recreation, and in addition do not have valuable wildlife requiring protection, have been designated as conservation lakes. The purpose of this designation is to recognize those lakes which have little traditional recreation value but nonetheless contribute to the natural beauty and character of the region.

2.4 Preservation Lakes

Definition

A preservation lake is a lake which, because of its high value as an existing or potential wildlife production area, should be protected and remain undeveloped. The only type of recreational activities which should occur are sport fishing, hunting or wildlife observation.

Methodology for Designation

The designation of preservation lakes was based on an assessment of each lake's wildlife resources. The factors considered were:

1. Capability of shoreline to support ungulates (hooved animals)
2. Capability of lake to support waterfowl
3. Capability of lake to support sport fishing
4. Existence of ungulate or waterfowl production
5. Existence of nesting sites for endangered or sensitive species of birds and waterfowl.

The methodology used to rate each lake is explained in Appendix A.

3.0 Lake Designations

3.1 Lakeland Region

The classification system described in Section 2 has been applied to the entire Lakeland Region. Tables 1 to 5 summarize the distribution of the three types of lakes within the region. This information helps to develop an overall picture of the Lakeland Region's resources. Specific lake issues and concerns can then be viewed within the broader context of the County of St. Paul and the region.

Table 5, for the County of St. Paul, indicates that the County contains 66 lakes in total. Thirty-six percent of these lakes have been designated recreation, 31% conservation and 34% preservation. Twenty-seven percent of all of the recreation lakes in the Lakeland Region are located in the County; similarly, 12% of all conservation lakes and 16% of all preservation lakes are in the County.

3.2 County of St. Paul

A closer look at the lake resources in the County of St. Paul is provided by Table 6, which lists each of the lakes in the municipality and their designations. This information has also been mapped in order to illustrate the relative location of the various lakes, and areas where lakes of similar nature are concentrated (Map 2).

It should be remembered that the evaluation and resultant designation of the lakes is based on a general level of information. It is assumed that site specific investigations in such areas as soil analysis, groundwater supply, lake water quality analysis and user surveys need only be carried out for those lakes which the County of St. Paul wishes to examine in more detail.

The lake planning framework is not a substitute for individual lake studies or plans. It provides, as its name suggests, a framework for the County of St. Paul and other people or agencies to use in considering appropriate uses for various lakes. In most instances more detailed site analysis should be carried out prior to decisions being made on specific development proposals or lake management strategies.

TABLES 1 TO 5
NUMBER AND PERCENTAGE OF LAKES BY DESIGNATION FOR MUNICIPALITY AND REGION

TABLE 1 – IMPROVEMENT DISTRICT #18 SOUTH

LAKE DESIGNATIONS	NUMBER OF LAKES	% OF I.D. LAKES	% OF REGION'S LAKES WITH SAME DESIGNATION
RECREATION	37	17	41
CONSERVATION	104	48	63
PRESERVATION	75	35	54
TOTAL	216		

TABLE 2 – MUNICIPAL DISTRICT OF BONNYVILLE #87

LAKE DESIGNATIONS	NUMBER OF LAKES	% OF M.D. LAKES	% OF REGION'S LAKES WITH SAME DESIGNATION
RECREATION	6	23	7
CONSERVATION	5	19	3
PRESERVATION	15	58	11
TOTAL	26		

TABLE 3 – COUNTY OF ATHABASCA #12

LAKE DESIGNATIONS	NUMBER OF LAKES	% OF COUNTY LAKES	% OF REGION'S LAKES WITH SAME DESIGNATION
RECREATION	15	33	17
CONSERVATION	19	42	12
PRESERVATION	11	24	8
TOTAL	45		

TABLE 4 – COUNTY OF SMOKY LAKE #13

LAKE DESIGNATIONS	NUMBER OF LAKES	% OF COUNTY LAKES	% OF REGION'S LAKES WITH SAME DESIGNATION
RECREATION	8	20	9
CONSERVATION	18	44	11
PRESERVATION	15	37	11
TOTAL	41		

TABLE 5 – COUNTY OF ST. PAUL #19

LAKE DESIGNATIONS	NUMBER OF LAKES	% OF COUNTY LAKES	% OF REGION'S LAKES WITH SAME DESIGNATION
RECREATION	24	36	27
CONSERVATION	20	31	12
PRESERVATION	22	34	16
TOTAL	66		

TABLE 6

Lake Designations
COUNTY OF ST. PAUL #19

RECREATION

Lake	Legal Description	Lake	Legal Description
Bentley Lake	58-8-4	Lower Mann Lake	60-11-4
Bluet Lake North	58-4-4 (sec 18,19)	Lower Therien Lake	57-10-4
Cole Lake	62-12-4	Moosehills Lake	57-6-4
Floatingstone Lake	60-11-4	Ross Lake	56-4-4
Kehiwin Lake	58/59-7-4	Siler (Stoney) Lake	56-8-4
Lac Bellevue	56-9-4	St. Vincent	59-9/10-4
Lac Canard	56-9/10-4	Upper Mann	59-11-4
Lac Saint Cyr	57-8/9-4	Upper Therien	57-9-4
Lac Sante	56-11-4	Whitney Lake	56-4-4
Lac Eliza	56-8/9-4	Unnamed	56-9-4 (sec 34)
Laurier Lake	56-4-4	Unnamed	57-9-4 (sec 16,21)
Lottie Lake	59-11-4	Unnamed	59-10-4 (sec 13)

CONSERVATION

Alma Lake	55-3-4	Unnamed	58-4-4 (sec 3,10)
Batty Lake	59-11-4	Unnamed	58-4-4 (sec 26,27)
Chota Lake	61-12-4	Unnamed	58-7-4 (sec 29)
Denning Lake	60-10-4	Unnamed	60-10-4 (sec 15)
Lac Poitres Lake	56-11-4 (sec 11,12)	Unnamed	60-11-4 (sec 26)
Little Garner Lake	60-12-4	Unnamed	60/61-11-4 (sec 36/1)
Michel Lake	58-5-4	Unnamed	61-11-4 (sec 33)
Owlseye Lake	58-10-4	Unnamed	62-10-4 (sec 10,15)
Snail Lake	59-10-4	Unnamed	62-10-4 (sec 11,14)
Unnamed	58-4-4 (sec 1,12)	Unnamed	62-11-4 (sec 7,8)

PRESERVATION

Borden Lake	56-4-4	Smith Lake	59-11-4
Bluet Lake South	58-4-4	Tompkins Lake	62-12/13-4
Bunder Lake	61-12-4	Unnamed	56-3-4 (sec 15)
Carol Lake West	59-12-4	Unnamed	56-9-4 (sec 24)
Carol Lake East	59-12-4	Unnamed	56-9-4 (sec 32)
Chappell Lake	60-11-4	Unnamed	57-3-4 (sec 28)
Grassy Island Lake	60/61-10-4	Unnamed	57-8-4 (sec 5) George's
Greenstreet Lake	60-11-4	Unnamed	60-11-4 (sec 3)
McCullough Lake	60-11-4	Unnamed	61-11-4 (sec 12,13,14)
Norberg Lake	61-11-4	Unnamed	61-12-4 (sec 1)
Simmo Lake	57-5-4	Unnamed	61-12-4 (sec 4,5,6)

4.0 Applications

Every municipality is different in its view of, and approach to, the management of its lakes. That is why this lake planning framework does not prescribe the manner in which it should be used. Instead, a range of options are available which could be used individually or in combination. The best course of action will be that which is most appropriate for the County of St. Paul, in light of its lake resources, the demand for these resources, and the degree to which the Council wishes to be involved in the management of the County's resources.

The County of St. Paul may wish to:

1. Utilize the information provided by the lake planning framework when responding to subdivision and development proposals.
2. Adopt the lake planning framework as a guideline for the use of the County's lakes. This can be done through a general municipal plan, land use bylaw, or by resolution by council.
3. Establish standards, guidelines and criteria for lake oriented recreation development.
4. Initiate lake planning programs for lakes which are currently experiencing development pressure or conflicts, or lakes which may or should experience pressures in the future.

It is important to remember that there are several government and private agencies that share an interest in the use of this province's lakes and their shorelands. They too have information and policies which should be utilized when considering appropriate lake uses. In particular, Alberta Recreation and Parks, Alberta Tourism and Small Business, Alberta Environment (Cold Lake-Beaver River Water Management Study), and Alberta Energy and Natural Resources (Lakeland Integrated Resource Plan) all address the use and/or management of various lakes in the region.

Regardless of how the County of St. Paul choose to use the lake planning framework, it is hoped that this report has provided a broad picture of the type of lake resources found in the Lakeland Region and their potential for future use and enjoyment.

Appendix A
Identification of Preservation Lakes

A list of five criteria, each an indicator of valuable wildlife or waterfowl resources, was developed. The criteria were not all considered to be of equal importance, therefore a weighting system was established. Each lake was rated using the five criteria, and their respective weighted scores. Any lake which received a total score of two or more using this system was designated as a preservation lake.

1. Lake has Class 1, 1W or 2W ungulate capability shoreline under the Canada Land Inventory (weighted score = 1)
2. Lake has Class 1, 1S, 2, 2S, 3S or 3M waterfowl capability under the Canada Land Inventory (weighted score = 2)
3. Lake has Class 1 or 2 sport fishing capability under the Canada Land Inventory System (weighted score = 2)
4. Lake has been identified by Alberta Fish and Wildlife on their "Key Wildlife Areas" map as having either ungulate or waterfowl production (weighted score = 2)
5. Lake has been identified by Alberta Fish and Wildlife on their "Key Wildlife Areas" map as a nesting site for: Peregrine Falcons, Osprey, Great Blue Heron, Cormorants or Pelicans (weighted score = 2)

Explanation of symbols and terminology:

CLASS – Canada Land Inventory rates resources on a scale from 1 to 7, with 1 being the best or highest capability

W – wintering range for ungulates

S – important migration stop for waterfowl

M – important migration or wintering stop for waterfowl

Appendix B
Recreation Lake Profiles

All lakes in the County of St. Paul which appeared initially to have recreation potential have been studied in more detail.[1] The following profiles summarize the type of information gathered and assessed and the recommended lake designation, for each of these lakes.

Some explanatory notes:

1. The information was collected in August 1980 and updated in October 1983.
2. The information provided in the profiles is very general in nature and is not substitute for site specific analysis necessary for subdivision and development.

A. Resource Base

3. All measurements are in metric.[2]
4. Canada Land Inventory (C.L.I.) ratings range from 1 (highest capability to 7)(lowest capability). Ratings which are followed by an asterisk (*) are resources considered to be regionally or provincially significant.
5. C.L.I. ratings for recreation are followed by an approximate measure of the length and percentage of the lake's shoreline in each class.

B. Development Support Information

6. Soil capability for sewage assimilation and intensive recreation is rated as either poor, fair or good.
7. Slopes greater than 15% (ie rising 15 meters or more per 100 meters) is considered less desirable for building due to the potential for erosion and slippage.

C. Existing Development

8. Existing road access or development is noted, as well as their approximate location on the lakeshore.
9. The Planning Act does not distinguish between cottages and permanent rural residences. The term "country residential" is used in the profiles to represent either or both of these types of residences.

D. Comments/Evaluation

10. Wetland habitat refers to swamps and marshes which support waterfowl or wildlife. They can be shallow or more permanent in nature and are rated as poor, fair, good or excellent.

NOTE 1. A profile was not prepared for Garner Lake because a detailed lake management study and area structure plan have already been completed for this recreation lake.

NOTE 2. Approximate metric conversions:
1 hectare (ha) = 2.5 acres
1 kilometre (km) = 0.6 miles
1 metre (m) = 3.3 feet

LAKE PROFILE

NAME: BATTY LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 59 Range 11 West 4

A. RESOURCE BASE

Lake Area — 244 ha Shorelength — 9.6 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 3 & 4 Sportfishing — 3
Recreation — Class 4 - 5.3 km (55%)
Class 5 - 4.3 km (45%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — some good (south and east); mainly fair

Slope — generally 5-9%

C. EXISTING DEVELOPMENT

Access-indirect from south to mun. rd., 4.0 km to a prov. hwy.
Development-none

D. COMMENTS/EVALUATION

- no sport fishing
- poor shoreline - low, soft, marshy
- mud bottom
- no recreation potential
- possible conservatioin lake

E. RECOMMENDATION

☐ RECREATION ☒ CONSERVATION ☐ PRESERVATION

LAKE PROFILE

NAME: BENTLEY LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 58 Range 8 West 4

A. RESOURCE BASE

Lake Area — 140 ha Shorelength — 5.8 km Depth — 4.3 m maximum
C.L.I. Waterfowl — 5 Ungulates — 4 Sportfishing — ?
Recreation — Class 3B - 0.3 km (5.6%) Class 4 - 4.7 km (80.5%)
Class 5 - 0.8 km (13.9%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mixture of good (north) and fair (south)
- Intensive Recreation — fair

Slope — mixture of 0-5% (north) and 9-15% (south)

C. EXISTING DEVELOPMENT

Access-direct to mun. rd., at S.E., 9.6 km to a prov. hwy.
Development-none

D. COMMENTS/EVALUATION

- average sport fishing
- Class 3B (southeast shore) has sandy beach and fair soils - could support low density public recreation
- Class 4 has extensive areas (northeast and northwest shores) of good soils and low slopes - could support low density country residential
- lake has some recreation potential, but because of its small size development must be carefully controlled

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: BLUET LAKE NORTH MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section 18,19 Township 58 Range 4 West 4

A. RESOURCE BASE

Lake Area — 228 ha Shorelength — 7.6 km Depth — ?
C.L.I. Waterfowl — 4 Ungulates — 1* Sportfishing — ?
Recreation — Class 2 - 0.3 km (0.4%), Class 3 - 1.4 km (19.1%)
Class 4 - 2.6 km (34.0%), Class 5 - 3.2 km (42.6%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair

Slope — no information available

C. EXISTING DEVELOPMENT

Access-no direct access; from south-west, 3.1 km to an unpaved mun. rd., 35 km to a prov. hwy.

Development-none; almost all crown land

D. COMMENTS/EVALUATION

- very limited information available
- good sport fishing
- marshy area at south end of lake
- Class 2B (north) and 3B (south) have sandy beaches - could possibly support some public use
- lake may have potential for some type of public recreation

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: BLUET LAKE SOUTH (Garnier) MUNICIPALITY: COUNTY OF ST. PAUL

LEGAL DESCRIPTION: Section Township 58 Range 4 West 4

A. RESOURCE BASE

Lake Area — 128 ha Shorelength — 5.3 km Depth — 18 m maximum
C.L.I. Waterfowl — 5 Ungulates — 1* Sportfishing — ?
Recreation — Class 3 - 1.3 km (24.2%) Class 4 - 2.9 km (54.5%)
Class 5 - 1.1 km (21.2%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair

Slope — information not available

C. EXISTING DEVELOPMENT

Access-direct at south-east to a mun. rd., 35 km to a prov. hwy.
Development-none; mostly crown land

D. COMMENTS/EVALUATION

– limited information available
– attractive, clear water lake
– good sport fishing
– no well defined beach area
– small size
– limited recreation potential - possible preservation lake (Class 1 Ungulates)

E. RECOMMENDATION

☐ RECREATION ☐ CONSERVATION ☒ PRESERVATION

LAKE PROFILE

NAME: BUNDER LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 61 Range 12 West 4

A. RESOURCE BASE

Lake Area — 577 ha Shorelength — 26 km Depth — ?
C.L.I. Waterfowl — 2*, 4 Ungulates — 2*, 3 Sportfishing — 4
Recreation — Class 4 - 3.4 km (12.7%)
Class 5 - 23 km (87.3%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mixture of fair (east) and poor (west)
- Intensive Recreation — fair

Slope — 9-15%

C. EXISTING DEVELOPMENT

Access-direct at south-east to a mun. rd., 14 km to a prov. hwy.
Development-none; mostly crown land

D. COMMENTS/EVALUATION

- poor beaches (soft, muddy shoreline)
- no sport fishing
- unsuitable for recreation
- possible preservation lake (Class 2 - Waterfowl and Ungulates)

E. RECOMMENDATION

☐ RECREATION ☐ CONSERVATION ☒ PRESERVATION

LAKE PROFILE

NAME: CAROL LAKE EAST MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 59 Range 12 West 4

A. RESOURCE BASE

Lake Area — 79 ha Shorelength — 3.2 km Depth — ?
C.L.I. Waterfowl — 1* Ungulates — 5 Sportfishing — ?
Recreation — Class 5 - 3.2 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor
- Intensive Recreation — poor

Slope — 0-5%

C. EXISTING DEVELOPMENT

Access-no direct access; from the south 1.0 km to a mun. rd., 4.8 km to a prov. hwy.

Development-none

D. COMMENTS/EVALUATION

- small, shallow lake
- marshy shoreline
- poor soils
- no recreation potential
- possible preservatiuon lake (Class 1 - Waterfowl)

E. RECOMMENDATION

☐ RECREATION ☐ CONSERVATION ☒ PRESERVATION

LAKE PROFILE

NAME: CAROL LAKE WEST MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 59 Range 12 West 4

A. RESOURCE BASE

Lake Area — 157 ha Shorelength — 10 km Depth — ?
C.L.I. Waterfowl — 1* Ungulates — 5 Sportfishing — ?
Recreation — Class 5 - 10 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor
- Intensive Recreation — poor

Slope — 0-5%

C. EXISTING DEVELOPMENT

Access-no direct access; from the south 1.0 km to a mun. rd., 4.5 km to a prov. hwy.

Development-none

D. COMMENTS/EVALUATION

- small, shallow lake
- marshy shoreline
- poor soils
- no recreation potential
- possible preservation lake (Class 1 - Waterfowl)

E. RECOMMENDATION

☐ RECREATION ☐ CONSERVATION ☒ PRESERVATION

LAKE PROFILE

NAME: CHAPPELL LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 60 Range 11 West 4

A. RESOURCE BASE

Lake Area — 62 ha Shorelength — 5.9 km Depth — ?
C.L.I. Waterfowl — 5 Ungulates — 2* Sportfishing — ?
Recreation — Class 5 - 5.9 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — mainly fair; some good (east)

Slope — a mixture of 5-9% (north & south) and 9-15% (west and some on east)

C. EXISTING DEVELOPMENT

Access-direct at south-west to a mun. rd., 7.6 km to a prov. hwy.
Development-none

D. COMMENTS/EVALUATION

- small size
- fair soils
- no recreation potential
- possible preservation lake (Class 2 - Ungulates)

E. RECOMMENDATION

☐ RECREATION ☐ CONSERVATION ☒ PRESERVATION

LAKE PROFILE

NAME: COLE LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 62 Range 12 West 4

A. RESOURCE BASE

Lake Area — 314 ha Shorelength — 10 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 2* Sportfishing — ?
Recreation — Class 4 - 5.6 km (56.5%)
Class 5 - 4.3 km (43.5%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly fair; some poor (south-west)
- Intensive Recreation — mainly fair; some good (south & east backshore) and some poor (south-west)

Slope — no information available

C. EXISTING DEVELOPMENT

Access-no direct access; from the east 1.3 km to a sec. rd., 33 km to a prov. hwy.
Development-none; mostly crown land

D. COMMENTS/EVALUATION

- Ducks Unlimited program
- clear water - generally free of algae and aquatic vegetation
- hard stoney or sandy bottom
- stoney shoreline
- possible low density country residential development

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: DENNING LAKE (Muskeg) MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 60 Range 10 West 4

A. RESOURCE BASE

Lake Area — 162 ha Shorelength — 7.7 km Depth — 3.6 m maximum
C.L.I. Waterfowl — 3 Ungulates — 3, 4 Sportfishing — ?
Recreation — Class 4 - 2.1 km (27.1%)
Class 5 - 8.0 km (72.4%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — mainly fair; some good (south)

Slope — generally 5-9%; some 0-5% (south)

C. EXISTING DEVELOPMENT

Access-no direct access; from south-west 1.0 km to a mun. rd., 5.9 km to a sec. rd.

Development-none; some crown land (north & east)

D. COMMENTS/EVALUATION

- small, shallow lake
- marshy shoreline (north) - no beaches
- no sport fishing
- little recreation potential
- possible conservation lake

E. RECOMMENDATION

☐ RECREATION ☒ CONSERVATION ☐ PRESERVATION

LAKE PROFILE

NAME: FLOATINGSTONE LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 60 Range 11 West 4

A. RESOURCE BASE

Lake Area — 590 ha Shorelength — 17 km Depth — 20 m maximum
C.L.I. Waterfowl — 4 Ungulates — 2*, 4 Sportfishing — 1*
Recreation — Class 2 - 0.3 km (1.9%) Class 3 - 1.9 km (11.3%)
Class 4 - 9.5 km (55.7%) Class 5 - 5.3 km (31.1%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly fair; some poor (east)
- Intensive Recreation — a mixture of good (north & south) and fair (east & west)

Slope — a mixture ranging from 0-15%

C. EXISTING DEVELOPMENT

Access-1) direct at south to a mun. rd., 9.0 km to a prov. hwy.; 2) direct at north to a mun. rd., 14 km to a prov. hwy.

Development-prov. campsite; 10 multi-lot subdivisions - 264 lots total; 2 private resorts; some crown land

D. COMMENTS/EVALUATION

- moderate intensity sport fishing
- Class 2B (and Class 3B) has a good sandy beach
- moderately developed (public and private)
- some remaining recreation potential - lake study may be advisable prior to any major development

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: KEHIWIN LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 58&59 Range 7 West 4

A. RESOURCE BASE

Lake Area — 663 ha Shorelength — 23 km Depth — 6.7 m mean
C.L.I. Waterfowl — 3, 5 Ungulates — 1*, 3W*, 3 Sportfishing — 1*
Recreation — Class 3 - 0.3 km (1.4%) Class 4 - 11 km (46.6%)
Class 5 - 12 km (52.0%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — variable along most of shoreline (would require detailed site inspection); some fair (east and along backshore)
- Intensive Recreation — variable along most of shoreline (would require detailed site inspections); some good (east & along backshore); some fair (east & along part of backshore)

Slope — generally 0-5%; some 5-9% (backshore areas) and 9-15% (north & east)

C. EXISTING DEVELOPMENT

Access-direct at southeast to a prov. hwy.
Development-prov. campsite; Kehiwin Indian Reserve (east); 90% crown land

D. COMMENTS/EVALUATION

- high intensity sport fishing
- "fair" shallow and permanent wetland habitat
- marshy areas (north & south)
- stoney shoreline
- lake may have some potential for intensive public recreation, as well as some country residential development in suitable backshore areas

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LAC BELLEVUE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 56 Range 9 West 4

A. RESOURCE BASE

Lake Area — 439 ha Shorelength — 10 km Depth — 8.8 m mean
C.L.I. Waterfowl — 5 Ungulates — 2* Sportfishing — 3
Recreation — Class 2 - 0.8 km (7.9%) Class 3 - 4.0 km (39.7%)
Class 4 - 4.8 km (47.6%) Class 5 - 0.5 km (4.8%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor
- Intensive Recreation — fair to north-west; remainder poor

Slope — appears to be a mixture ranging from 5-30%

C. EXISTING DEVELOPMENT

Access-direct at north to an unpaved mun. rd., 25 km to a prov. hwy.
Development-prov. campsite; 41 lot subdivision (south-east); mostly crown land

D. COMMENTS/EVALUATION

- low to moderate intensity sport fishing
- Class 2B (south-east) has sandy beaches
- lake may have potential for some further public recreation use or low density country residential development in suitable areas

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LAC CANARD MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 56 Range 9 & 10 West 4

A. RESOURCE BASE

Lake Area — 161 ha Shorelength — 9.5 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 2* Sportfishing — ?
Recreation — Class 3 - 2.2 km (23.7%)
Class 4 - 7.2 km (76.3%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair, with some good to the south-west

Slope — generally 9-15%, some 0-5% and 5-9% (south-west)

C. EXISTING DEVELOPMENT

Access-direct at north-west on an unpaved secondary rd., 12 km to a prov. hwy.
Development-none; mostly crown land

D. COMMENTS/EVALUATION

- small size
- most of shoreline has steep banks
- Class 3 (south) may support some low density public recreation

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LAC ELIZA MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 56 Range 8 & 9 West 4

A. RESOURCE BASE

Lake Area — 492 ha Shorelength — 12 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 1*, 2* Sportfishing — 4
Recreation — Class 4 - 0.6 km (5.4%)
Class 5 - 11 km (94.6%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor
- Intensive Recreation — poor

Slope — a mixture of 9-15% and 15-30%

C. EXISTING DEVELOPMENT

Access-indirect at south to an unpaved mun. rd., 24 km to a prov. hwy.
Development-appears to be none

D. COMMENTS/EVALUATION

- no sport fishing
- small marshy area at south-west
- generally high backshore - good view
- good drainage
- lake may have potential for low density country residential development on suitable backshore areas - soil analysis would be required

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LAC SAINT CYR
MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 57 Range 8&9 West 4

A. RESOURCE BASE

Lake Area — 240 ha Shorelength — 11 km Depth — 21.3 m maximum
C.L.I. Waterfowl — 3 Ungulates — 2* Sportfishing — 4
Recreation — Class 2 - 0.3 miles (4.4%), Class 3 - 4.3 miles (63.2%)
Class 4 - 1.0 km (8.8%), Class 5 - 2.6 km (23.5%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — south half poor; north half unknown
- Intensive Recreation — south half poor; north half unknown

Slope — a mixture of 9-15% and 15-30% (south half); remainder is unknown

C. EXISTING DEVELOPMENT

Access-direct at south-west to an unpaved mun. rd., 31 km to a prov. hwy.
Development-private resort (east); 1 multi-lot subdivision - total of 28 lots (south); some crown land

D. COMMENTS/EVALUATION

- Town of St. Paul water supply
- sandy lake bottom
- possible backshore country residential development (north bay) and provision of public access

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LAC SANTE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 56 Range 11 West 4

A. RESOURCE BASE

Lake Area — 970 ha Shorelength — 26 km Depth — 27 m maximum
C.L.I. Waterfowl — 5 Ungulates — 1*, 2* Sportfishing — 2*
Recreation — Class 3 - 2.6 km (9.8%), Class 5 - 11 km (40.9%)
Class 4 - 13 km (49.4%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair to west; poor to east
- Intensive Recreation — fair to west (with small pocket of good); poor to east

Slope — a mixture ranging from 0-30%

C. EXISTING DEVELOPMENT

Access-several access points; from north, 3.4 km to a prov. hwy.
Development-community hall; prov. campsite (south-east); mun. campsite; 5 multi-lot subdivisions - total of 247 lots

D. COMMENTS/EVALUATION

- moderate intensity sport fishing
- relatively free of emergent vegetation
- shoreline is predominantly rocky
- lake may be able to support further country residential development and public recreation in suitable areas - a lake study should probably be conducted first

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LAURIER LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 56 Range 4 West 4

A. RESOURCE BASE

Lake Area — 639 ha Shorelength — 10 km Depth — 4.6 m maximum
C.L.I. Waterfowl — 3 Ungulates — 2*, 3, 4 Sportfishing — 3
Recreation — Class 2 - 2.2 km (22.2%), Class 3 - 1.6 km (15.9%)
Class 4 - 4.5 km (44.4%), Class 5 - 1.8 km (17.5%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor to north, south and west; fair to east
- Intensive Recreation — good to north, south and west; fair to east

Slope — a mixture ranging from 0-15%

C. EXISTING DEVELOPMENT

Access-direct at south-east to a mun. rd., (gravel), 31 km to a prov. hwy.
Development-9 multi-lot subdivisions - total of 248 lots; dispersed cottages; some crown land (north)

D. COMMENTS/EVALUATION

- very good sport fishing
- high quality recreational shoreline
- Class 2B & 3B (north) have extensive areas of sandy beach - could probably support some intensive public recreation
- lake has limited potential for further cottage development (south shore heavily developed)
- lake study would be advisable prior to any further development
- lake is included in Whitney Lake Provincial Park, being planned and developed by Alberta Recreation and Parks

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LOTTIE LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 59 Range 11 West 4

A. RESOURCE BASE

Lake Area — 391 ha Shorelength — 17 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 3 Sportfishing — 4
Recreation — Class 4 - 4.8 km (28.3%)
Class 5 - 12 km (71.7%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly fair; south-east part of lake unknown
- Intensive Recreation — mainly fair; some good (north-west & south) and some poor (west); south-east part of lake is unknown

Slope — a mixture ranging from 0-15%

C. EXISTING DEVELOPMENT

Access-direct at east to an unpaved mun. rd., 1.0 km to a prov. hwy.
Development–community hall; 3 multi-lot subdivisions - total of 136 lots; some crown land

D. COMMENTS/EVALUATION

- irregular, seasonal sport fishing
- poor water quality; emergent vegetation and algae
- low, marshy shoreline (west and north)
- south and east shores of lake might support some further low density country residential development
- due to poor water quality, lake study may be advisable

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LOWER MANN LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 60 Range 11 West 4

A. RESOURCE BASE

Lake Area — 608 ha Shorelength — 19 km Depth — 5.0 m
C.L.I. Waterfowl — 5 Ungulates — 2*, 3 Sportfishing — 3
Recreation — Class 3 - 0.3 km (1.7%), Class 4 - 4.8 km (25.6%)
Class 5 - 14 km (72.6%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly poor; some fair (east & west - especially backshore)
- Intensive Recreation — mainly fair; some good (east & west backshore)

Slope — generally 9-15%; some 5-9% (east & west backshore)

C. EXISTING DEVELOPMENT

Access-at least 2 access points; direct at south to a prov. hwy.
Development-approximately 8 multi-lot subdivisions - total of 197 lots; 2 private resorts, prov. campsite; dispersed cottages; some crown land

D. COMMENTS/EVALUATION

- lake may have potential of some additional public recreation
- potential for further country residential development - especially in backshore areas
- lake study may be advisable due to level of existing development and limited amount of information on lake presently available

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: LOWER THERIEN LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 57 Range 10 West 4

A. RESOURCE BASE

Lake Area — 1029 ha Shorelength — 29 km Depth — 30 m maximum
C.L.I. Waterfowl — 3, 5 Ungulates — 2* Sportfishing — 3
Recreation — Class 3 - 11 km (39.3%), Class 4 - 12 km (42.1%)
Class 5 - 5.3 km (18.5%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair to east; remainder good

Slope — information not available

C. EXISTING DEVELOPMENT

Access-direct at north-west to a mun. rd., 5.9 km to a prov. hwy.; Alternate access at north-east shore (by prov. campsite)

Development-Provincial campsite (north-east); 2 multi-lot subdivisions - total 235 lots; dispersed cottages or farms; approximately 50% crown land

D. COMMENTS/EVALUATION

– saline water
– no sport fishing
– possible additional recreation potential for both public recreation and country residential development
– lake study may be advisable prior to further development

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: MOOSEHILLS LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 57 Range 6 West 4

A. RESOURCE BASE

Lake Area — 146 ha Shorelength — 9.6 km Depth — 5.2 m maximum
C.L.I. Waterfowl — 5 Ungulates — 3 Sportfishing — ?
Recreation — Class 4 - 4.7 km (48.3%)
Class 5 - 5.0 km (51.7%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor to south; remainder fair
- Intensive Recreation — poor to south; remainder fair to good

Slope — some steep slopes

C. EXISTING DEVELOPMENT

Access-indirect at south; 0.8 km to an unpaved mun. rd., 10 km to a prov. hwy.
Development-appears to be none

D. COMMENTS/EVALUATION

- no sport fishing
- small, shallow lake - clear water
- many submergent and emergent weeds
- marshy shoreline areas
- lake may have some potential for country residential (good views) and provision of public access

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: NORBERG LAKE (Duck) MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 61 Range 11 West 4

A. RESOURCE BASE

Lake Area — 283 ha Shorelength — 14 km Depth — ?
C.L.I. Waterfowl — 4 Ungulates — 2* Sportfishing — ?
Recreation — Class 5 - 14 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor
- Intensive Recreation — fair

Slope — 9-15%

C. EXISTING DEVELOPMENT

Access-no direct access; from south-west, 1.0 km to an unpaved mun. rd., 18 km to a prov. hwy.
Development-mostly crown land

D. COMMENTS/EVALUATION

– no well defined beach areas
– soft, marshy shoreline
– poor-fair soils
– fairly steep slopes
– no recreation potential
– possible preservation lake (Class 2 ungulates)

E. RECOMMENDATION

☐ RECREATION ☐ CONSERVATION ☒ PRESERVATION

LAKE PROFILE

NAME: ROSS LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 56 Range 4 West 4

A. RESOURCE BASE

Lake Area — 105 ha Shorelength — 5.0 km Depth — 15 m maximum
C.L.I. Waterfowl — 3 Ungulates — 2* Sportfishing — ?
Recreation — Class 4 - 2.1 km (41.9%)
Class 5 - 2.9 km (58.1%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair

Slope — 5-9%

C. EXISTING DEVELOPMENT

Access-direct at north-east to a gravelled mun. rd., 31 km to a prov. hwy.
Development-1 single-lot subdivision; mostly crown land

D. COMMENTS/EVALUATION

- has been used for swimming and fishing for many years
- low intensity sport fishing
- small size
- limited information available
- lake appears to have some recreation potential
- lake is included in Whitney Lake Provincial Park, being planned and developed by Alberta Recreation and Parks; Ross Lake facilities to include overnight camping, day use, trails, and boat launches

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: SILER LAKE (Stoney) MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 56 Range 8 West 4

A. RESOURCE BASE

Lake Area — 234 ha Shorelength — 7.4 km Depth — 9.1 m maximum
C.L.I. Waterfowl — 3 Ungulates — 2* Sportfishing — 3
Recreation — Class 4 - 2.7 km (37.0%)
Class 5 - 4.7 km (63.0%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor
- Intensive Recreation — poor to west and east; fair to north and south

Slope — a mixture ranging from 0-30%

C. EXISTING DEVELOPMENT

Access-indirect access at east, 0.3 km to an unpaved mun. rd., 14 km to a prov. hwy.

Development-prov. campsite (south); community hall (south); spectator facilities (rodeo area); dispersed cottages; some crown land (west)

D. COMMENTS/EVALUATION

- moderate intensity sport fishing
- thick, submergent vegetation in all shallow areas
- muddy lake bottom
- steep slopes in some areas
- lake has limited remaining potential for public use
- possible low density country residential development on backshore

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: SNAIL LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 59 Range 10 West 4

A. RESOURCE BASE

Lake Area — 97 ha Shorelength — 4.5 km Depth — ?
C.L.I. Waterfowl — 4 Ungulates — 3, 4 Sportfishing — ?
Recreation — Class 5 - 4.5 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — mainly fair; some good (west)

Slope — a mixture ranging from 0-15%

C. EXISTING DEVELOPMENT

Access-direct at south to a mun. rd., 11 km to a prov. hwy.
Development-appears to be none

D. COMMENTS/EVALUATION

- small size
- low marshy areas at north and south ends and mid-west shore of lake
- poor water quality
- unsuitable for recreation development
- possible conservation lake

E. RECOMMENDATION

☐ RECREATION ☒ CONSERVATION ☐ PRESERVATION

LAKE PROFILE

NAME: ST. VINCENT LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 59 Range 9&10 West 4

A. RESOURCE BASE

Lake Area — 866 ha Shorelength — 18 km Depth — 8.5 m
C.L.I. Waterfowl — 4 Ungulates — 3 Sportfishing — 1*
Recreation — Class 2 - 0.3 km (1.8%), Class 3 - 2.1 km (11.4%)
Class 4 - 8.4 km (45.6%), Class 5 - 7.6 km (41.2%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair

Slope — a mixture of 5-9%, and 9-15%

C. EXISTING DEVELOPMENT

Access-several access points around lake; from south 15 km to a prov. hwy.
Development-two prov. campsites; institutional camp; 26 multi-lot subdivisions - total of 519 lots; dispersed cottages; very little crown land

D. COMMENTS/EVALUATION

- poor water quality
- heavily developed lakeshore
- little remaining recreation potential
- lake study may be feasible, especially if additional development is considered

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: TOMPKINS LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 62 Range 12&13 West 4

A. RESOURCE BASE

Lake Area — 129 ha Shorelength — 4.7 km Depth — 3.0 m maximum
C.L.I. Waterfowl — 4 Ungulates — 2*, 3 Sportfishing — ?
Recreation — Class 5 - 4.7 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly poor; some fair (south and west)
- Intensive Recreation — mainly fair; some good (south and west)

Slope — a mixture of 5-9% (south and west) and 9-15% (north and east)

C. EXISTING DEVELOPMENT

Access-no direct access; 2.6 km to paved rd., 9.0 km to secondary hwy.
Development-none; crown land

D. COMMENTS/EVALUATION

- small shallow lake
- marshy shoreline, except south-east end - sandy with reeds
- no recreation potential
- possible preservation lake (Class 2 ungulates)

E. RECOMMENDATION

☐ RECREATION ☐ CONSERVATION ☒ PRESERVATION

LAKE PROFILE

NAME: UPPER MANN LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 59 Range 11 West 4

A. RESOURCE BASE

Lake Area — 604 ha Shorelength — 20 km Depth — 7.9 m
C.L.I. Waterfowl — 5 Ungulates — 2*, 3 Sportfishing — 2*
Recreation — Class 3 - 1.9 km (9.7%), Class 4 - 13 km (67.7%)
Class 5 - 4.5 km (22.6%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — mainly poor; some fair (south-west backshore)
- Intensive Recreation — fair

Slope — generally 9-15%; some 5-9% (south-west backshore)

C. EXISTING DEVELOPMENT

Access-many access points; direct at south-west, to a mun. rd., 0.2 km to a prov. hwy.

Development-6 multi-lot subdivisions - total of 211 lots; dispersed cottages; some crown land

D. COMMENTS/EVALUATION

- good sport fishing
- Class 3B has extensive areas of sandy beach - could probably support some public use
- limited potential for further country residential development (poor soils for sewage assimilation; fairly steep slopes)
- lake has potential for public recreation

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: UPPER THERIEN LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 57 Range 9 West 4

A. RESOURCE BASE

Lake Area — 1000 ha Shorelength — 18 km Depth — ?
C.L.I. Waterfowl — 4 Ungulates — 2*, 3 Sportfishing — 4
Recreation — Class 5 - 18 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — mainly good; some poor (south)

Slope — no information available

C. EXISTING DEVELOPMENT

Access-direct at north to a mun. rd., 1.4 km to a prov. hwy. - close to St. Paul
Development-appears to be none; some crown land

D. COMMENTS/EVALUATION

– no sport fishing
– marshy shoreline (south-east and north)
– poor water quality - lake is an outlet for St. Paul sewage treatment plant
– limited potential for recreation - could possibly be used as a waterfront park for Town of St. Paul (if cleared up)

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: WHITNEY LAKE MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section Township 56 Range 4 West 4

A. RESOURCE BASE

Lake Area — 138 ha Shorelength — 4.5 km Depth — 12 m maximum
C.L.I. Waterfowl — 3 Ungulates — 4 Sportfishing — ?
Recreation — Class 2 - 0.3 km (7.1%), Class 3 - 0.5 km (10.4%)
Class 4 - 1.9 km (42.9%), Class 5 - 1.8 km (39.3%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — poor
- Intensive Recreation — good

Slope — 0-5%

C. EXISTING DEVELOPMENT

Access-direct at south to an unpaved mun. rd., 25 km to a prov. hwy.
Development-institutional camp; prov. campsite; crown land (east half of lake)

D. COMMENTS/EVALUATION

- moderate to high intensity sport fishing
- small size
- good water quality
- potential for public recreation
- lake is included in Whitney Lake Provincial Park, being planned and developed by Alberta Recreation and Parks

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: UNNAMED LAKE NO. 2 MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section 16,21 Township 57 Range 9 West 4

A. RESOURCE BASE

Lake Area — 151 ha Shorelength — 5.5 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 2* Sportfishing — ?
Recreation — Class 4 - 5.5 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair

Slope — no information available

C. EXISTING DEVELOPMENT

Access-direct at south-east on a mun. rd., 7.1 km to a prov. hwy.
Development-6-lot subdivision (south-east); some crown land (north)

D. COMMENTS/EVALUATION

– small size
– rocky shoreline, with heavy algae growth
– water quality - questionable
– lake may have potential for further country residential development on backshore

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: UNNAMED LAKE NO. 3 MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section 1,12 Township 58 Range 4 West 4

A. RESOURCE BASE

Lake Area — 104 ha Shorelength — 2.7 km Depth — ?
C.L.I. Waterfowl — 6 Ungulates — 5 Sportfishing — ?
Recreation — Class 5 - 2.7 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair to west; poor to east
- Intensive Recreation — fair

Slope — no information available

C. EXISTING DEVELOPMENT

Access-no direct access; from south-west, 5.9 km to an unpaved mun. rd., 41 km to a prov. hwy.
Development-none; mostly crown land

D. COMMENTS/EVALUATION

- very limited information available
- small size
- no beaches
- lake appears to be unsuitable for recreation
- possible conservation lake

E. RECOMMENDATION

☐ RECREATION ☒ CONSERVATION ☐ PRESERVATION

LAKE PROFILE

NAME: UNNAMED LAKE NO. 4 MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section 3,10 Township 58 Range 4 West 4

A. RESOURCE BASE

Lake Area — 192 ha Shorelength — 5.1 km Depth — ?
C.L.I. Waterfowl — 5 Ungulates — 5 Sportfishing — ?
Recreation — Class 7 - 5.1 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — unsuitable along lakeshore; fair in backshore
- Intensive Recreation — unsuitable along lakeshore; fair in backshore

Slope — no information available

C. EXISTING DEVELOPMENT

Access-no direct access; from south-west, 3.1 km to an unpaved mun. rd., 36 km to a prov. hwy.
Development-none; Puskiakiwenin Indian Reserve (east); crown land (west)

D. COMMENTS/EVALUATION

- marshy shoreline
- shallow, muddy slough
- unsuitable for recreation
- possible conservation lake

E. RECOMMENDATION

☐ RECREATION ☒ CONSERVATION ☐ PRESERVATION

LAKE PROFILE

NAME: UNNAMED LAKE NO. 5 MUNICIPALITY: COUNTY OF ST. PAUL (Thoben)
LEGAL DESCRIPTION: Section 34 Township 56 Range 9 West 4

A. RESOURCE BASE

Lake Area — 90 ha Shorelength — 4.3 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 2* Sportfishing — ?
Recreation — Class 4 - 4.3 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair to west; poor to east
- Intensive Recreation — fair to west; poor to east

Slope — generally 9-15%; some 15-30% (east and north-east)

C. EXISTING DEVELOPMENT

Access-indirect at northeast to a mun. rd., 12.2 km to a prov. hwy.
Development-single lot subdivision (north)

D. COMMENTS/EVALUATION

– small size
– generally steep banks
– lake may have some potential for country residential development on backshore; no public use if there are fish in lake

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

LAKE PROFILE

NAME: UNNAMED LAKE NO. 6 MUNICIPALITY: COUNTY OF ST. PAUL
LEGAL DESCRIPTION: Section 1,36 Township 60,61 Range 11 West 4

A. RESOURCE BASE

Lake Area — 41 ha Shorelength — 3.2 km Depth — ?
C.L.I. Waterfowl — 3 Ungulates — 4 Sportfishing — ?
Recreation — Class 5 - 3.2 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair

Slope — 5-9%

C. EXISTING DEVELOPMENT

Access-direct at south to a secondary rd., 8.0 km to a prov. hwy.
Development-none; crown land (north half of lake)

D. COMMENTS/EVALUATION

– small size
– lake has very limited potential for recreation due to its small size
– possible conservation lake

E. RECOMMENDATION

☐ RECREATION ☒ CONSERVATION ☐ PRESERVATION

LAKE PROFILE

NAME: UNNAMED LAKE NO. 7 MUNICIPALITY: COUNTY OF ST. PAUL (Bear)
LEGAL DESCRIPTION: Section 13 Township 59 Range 10 West 4

A. RESOURCE BASE

Lake Area — 52 ha Shorelength — 3.7 km Depth — ?
C.L.I. Waterfowl — 1* Ungulates — 3 Sportfishing — ?
Recreation — Class 5 - 3.7 km (100%)

B. DEVELOPMENT SUPPORT INFORMATION

Soil Capability for:

- Sewage Assimilation — fair
- Intensive Recreation — fair

Slope — generally 5-9%; some 9-15% (north-east backshore)

C. EXISTING DEVELOPMENT

Access-no direct access; from south, 0.5 km to an unpaved mun. rd., 14.5 km to a prov. hwy.
Development-none

D. COMMENTS/EVALUATION

- no sport fishing
- marshy areas (north and south ends of lake)
- small size
- potential for swimming, boating, camping

E. RECOMMENDATION

[X] RECREATION [ ] CONSERVATION [ ] PRESERVATION

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Map 2

Lake Planning Framework

COUNTY OF ST. PAUL * 19

LAKE DESIGNATIONS

RECREATION

CONSERVATION

PRESERVATION

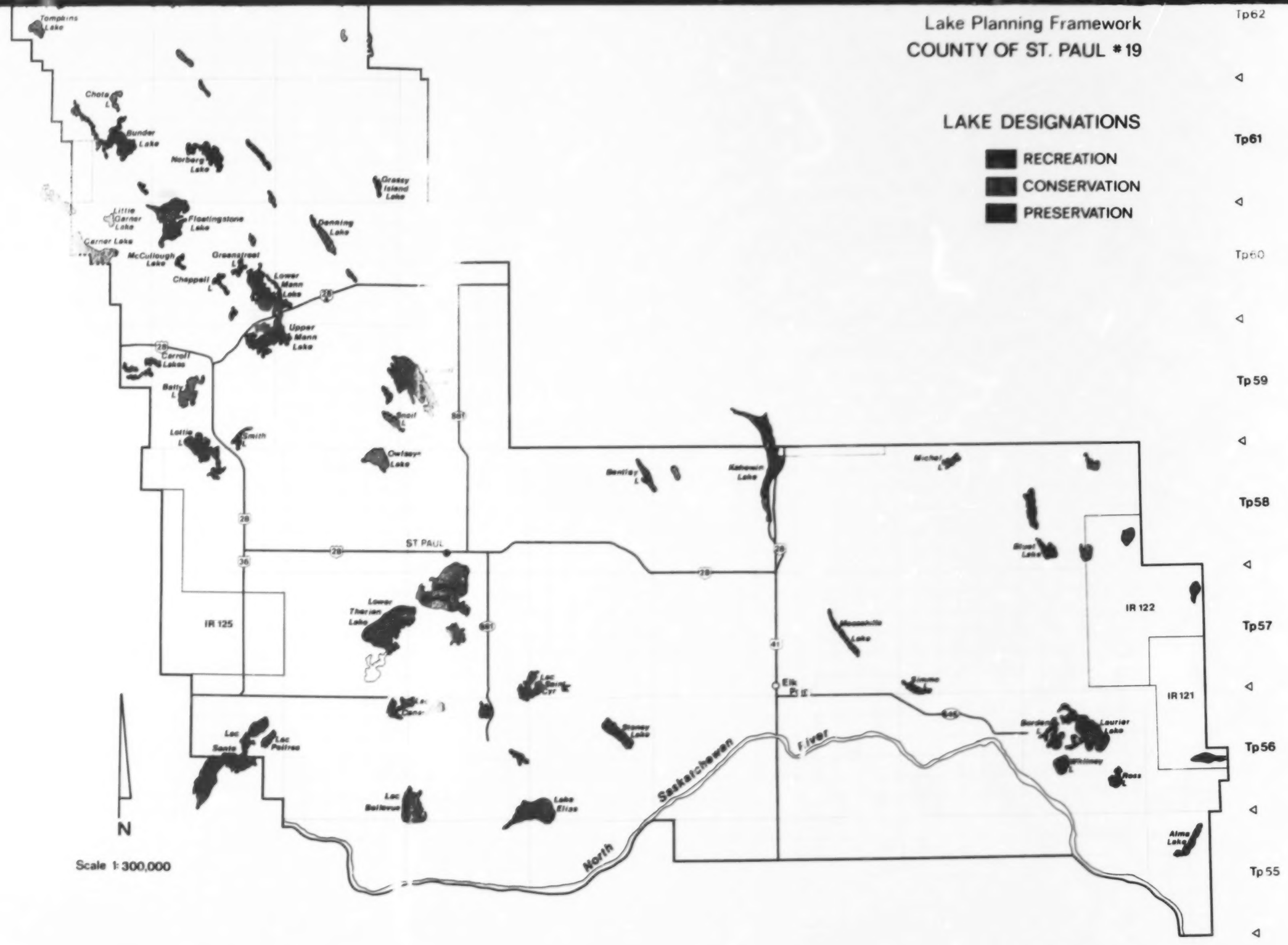
Cole Lake
Tompkins Lake
Chata L.
Bundor Lake
Norberg Lake
Grassy Island Lake
Little Garner Lake
Floatingstone Lake
Garner Lake
Denning Lake
McCullough Lake
Greenstreet L.
Chappell L.
Lower Mann Lake
Upper Mann Lake
Carroll Lakes
Batty L.
Latta L.
Smith L.
Vincent Lake
Snail L.
Owlseye Lake
Bentley L.
Kahewin Lake
Michel L.
Bluet Lake
ST. PAUL
IR 125
Lower Thorlen Lake
IR 122
IR 121
Lac Sante
Lac Pelrea
Ely Point
Zimmo
Laurier Lake
Whitney L.
Ross L.
Saskatchewan River

Lake Planning Framework

COUNTY OF ST. PAUL #19

LAKE DESIGNATIONS

- RECREATION
- CONSERVATION
- PRESERVATION



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POOR

QUALITY

ORIGINAL